

Claims:

1. Aqueous composition comprising
 - 5 - a polyurethane (A),
 - an epoxy resin (B) obtainable by reacting compounds having epoxide groups with diols or polyols, and
 - a crosslinker (C) for the epoxy resin.
- 10 2. Aqueous composition according to claim 1, wherein the polyurethane is in the form of an aqueous dispersion.
3. Aqueous composition according to claim 1 or 2, wherein the polyurethane is synthesized from
 - 15 a) diisocyanates,
 - b) diols of which
 - 20 b₁) from 10 to 100 mol%, based on the total amount of diols (b), have a molecular weight of from 500 to 5000 and
 - b₂) from 0 to 90 mol%, based on the total amount of diols (b), have a molecular weight of from 60 to 500 g/mol,
 - 25 c) non-(a) and non-(b) monomers having at least one isocyanate group or at least one group reactive toward isocyanate groups, and further carrying at least one hydrophilic or potentially hydrophilic group to make the polyurethanes dispersible in water,
 - 30 d) if appropriate, further non-(a) to (c) polyfunctional compounds having reactive groups which are alcoholic hydroxyl, primary or secondary amino or isocyanate groups, and
 - 35 e) if desired, non-(a) to (d) monofunctional compounds having a reactive group which is an alcoholic hydroxyl, a primary or secondary amino or an isocyanate group.
- 40 4. Aqueous composition according to one of claims 1 to 3, wherein the epoxy resin is a reaction product of bisphenol A with epichlorohydrin.

5. Aqueous composition according to one of claims 1 to 4, wherein the crosslinker C) is a compound having at least two reactive groups which react with epoxides, e.g., isocyanate, amino, carboxyl or hydroxyl groups, preferably amino groups.
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6. Aqueous composition according to claim 5, wherein the reactive groups are deactivated or blocked at room temperature.
7. Aqueous composition according to claim 6, wherein the crosslinkers are blocked amine compounds or blocked isocyanate compounds (e.g., with methyl ethyl ketoxime).
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8. Aqueous composition according to one of claims 1 to 7, comprising
15 1 to 99% by weight of polyurethane A) and
1 to 99% by weight of epoxy resin B),
based on the sum of A) and B).
9. Aqueous composition according to one of claims 1 to 8, obtainable by preparing
20 the polyurethane in a solvent and then dispersing it in water, the epoxy resin being added to the solution before the polyurethane is dispersed in water.
10. Use of the composition according to one of claims 1 to 9 as an adhesive, particularly a laminating adhesive.
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11. Use of the composition according to one of claims 1 to 9 as a one-component adhesive (1K system) which already includes the crosslinker.
12. Use of the composition according to one of claims 1 to 9 as a two-component
30 adhesive (2K system), for which the crosslinker is not added until shortly before use.
13. Use of the composition according to one of claims 1 to 9 as a laminating adhesive for laminating wood with paper or polymer films.
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14. Use according to one of claims 10 to 13, wherein the aqueous composition is applied to the paper or the polymer film and then lamination takes place.
15. Paper or polymer films coated with laminating adhesives, obtainable by using an
40 aqueous composition comprising

- a polyurethane (A)
- an epoxy resin (B)
- a crosslinker (C) for the epoxy resin.

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16. Use of the coated polymer films or paper according to claim 15 for laminating flat substrates, particularly furniture or automobile interior parts.